This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 (canceled).

2 (currently amended). A temperature compensation member according to claim ~~1~~ 12, wherein said crystal powder is at least one kind of powder selected from a group including silicate, phosphate, titanate, and oxides of La, Nd, V, and Ta.

3 (currently amended). A temperature compensation member according to claim ~~1~~ 12, wherein said crystal powder is β-eucryptite crystal powder prepared by a solid-phase method.

4 (currently amended). A temperature compensation member according to claim ~~1~~ 11, wherein said powder has an average particle size of 50 μm or less.

5 (currently amended). A temperature compensation member according to claim ~~1~~ 11, wherein the coefficient of thermal expansion falls within a range of -10 to -120 x 10^{-7}/°C in a temperature range of -40 to 100°C.

6 (canceled).

7 (currently amended). A temperature compensation member which comprises a sintered body obtained by ~~mixing at least one kind of~~ firing a preformed powder ~~selected from a group~~ including crystal powder~~, crystallizable glass powder, and partially crystallized glass powder and at least one~~ and an additive mixed with the crystal powder and selected from a group including an amorphous glass powder, a glass powder prepared by a sol-gel method, sol, and gel ~~to obtain a mixture and firing the mixture~~, which contains crystals exhibiting anisotropy in coefficient of thermal expansion, and which has a negative coefficient of thermal expansion.

8-10 (canceled).

11 (new). A temperature compensation member which comprises a sintered body obtained by firing a preformed powder including at least one of crystallizable glass powder and partially-crystalized glass powder, which contains crystals exhibiting anisotropy in coefficient of thermal expansion, and which has a negative coefficient of thermal expansion.

12 (new). The temperature compensation member according to claim 11, wherein said preformed powder further includes

crystal powder mixed to said at least one.

13 (new). The temperature compensation member according to claim 12, wherein said crystal powder is of 30-99 vol%, said at least one being of 1-70 vol%.

14 (new). The temperature compensation member according to claim 11, wherein said preformed powder is mixed with an additive comprising at least one selected from a group including amorphous glass powder, glass powder prepared by a sol-gel method, sol, and gel.

15 (new). The temperature compensation member according to claim 14, wherein said original powder is of 50-99.9 vol%, said additive being of 0.1-50 vol%.

16 (new). An optical communication device using the temperature compensation member according to claim 11.

17 (new). An optical communication device using the temperature compensation member according to claim 7.